



Massachusetts Department of Environmental Protection
Bureau of Resource Protection – Watershed Permitting Program
Sanitary Sewer Overflow (SSO)/Bypass
Notification Form

FOR DEP USE ONLY

Tax Identification Number

A. Reporting Facility

1. Facility Information

Hull, MA WPCF

MA0101231

Reporting Sewer Authority

Permit #

2. Authorized Representative Transmitting Form:

Aram

Varjabedian

781-925-0906

First Name

Last Name

Telephone No.

Plant Manager

avarjabedian@woodardcurran.com

Title

E-mail Address

B. Phone Notifications:

1. MassDEP staff contacted:

Contacted By Phone

David

First Name

Burns

Last Name

Date/Time contacted:

02/18/2021 02:24 PM

Contacted by:

2. EPA staff contacted:

Contacted by: Email

David

First Name

Turin

Last Name

Date/Time EPA contacted:

02/18/2021 04:18 PM

3. Board of Health contacted:

Contacted by: Email

Joyce

First Name

Sullivan

Last Name

Date/Time contacted:

02/18/2021 04:18 PM

4. Director of WW Operations

Contacted by: Email

John

First Name

Struzziery

Last Name

Date/Time contacted:

02/16/2021 05:10 PM

5. Others notified:

Harbormaster / Shelfish Warden - Kurt Bornheim, Division of Marine Fisheries -
Ryan Joyce, Hull Conservation Agent - Chris Krahforst, DPW Director - Chris
Gardner, Town Manager - Philip Lemnios

Contacted by: Email

Comments



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C. SSO Information

1. SSO Discovered:

By: Homeowner

Date and Time 02/16/2021 05:10 PM

2. SSO Stopped Date and Time 02/18/2021 12:00 PM

3. SSO Discharge from:

Other

Sanitary Manhole, Pump Station, Backup into property, Other - Specify Below

Specify: Breakthrough in asphalt pavement near #23 Meade Ave.

4. SSO Discharge to:

Ground Surface

Ground Surface, Direct to Receiving Water, Catch Basin to Receiving Water, Backup into Basement

Diluted sewage broke through onto roadway surface and trickled/flowed down

Specify: Meade Ave towards Valley Beach Road with some smaller amounts into nearby homeowner driveways and along Valley Beach Rd.

Location: 23 Meade Ave., Hull, MA

(Description of discharge site or closest address)

X,Y Coordinates LAT: +42.267483; LONG: -70.844467

5. Estimated SSO Volume at time of this Report: 200 to 500 gallons

Method of Estimating Volume:

Visual

Other Method:

6. Cause of SSO Event: Pipe Collapse which then resulted in a blocked sewer line

Rain Event, PS Failure, Insufficient Capacity in System, Treatment Unit failure, Sewer System Blockage, Pipe Collapse, Root Intrusion, Grease Blockage, Other

Specify:

Initial attempts to clear blockage with trailer jetter were unsuccessful on 2/16 and 2/17. The jetter line was damaged and repaired for use the next morning with jetting resumed on 2/17 early AM. At this time the jetting caused some diluted water and sewage to come up to the road surface. The water ran down the hill towards Valley Beach Rd. Immediate calls were made for a contractor to excavate and repair the sewer pipe, and to a vac/jet company [Truax] to clean up the roadway. Sand bags were staged to keep the water contained somewhat, but some diluted sewage did run off the low areas of the roadway over the side onto the rocky embankment

7. Corrective Actions :

Impact Area cleaned and/or disinfected: Yes

Corrective Actions Completed: No

Details: Area roadway surfaces washed down and liquid vacuumed up by vacuor truck.



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D. Comments/Attachments/Follow-up

Additional comments and
planned actions:

Planned follow up action is to perform future additional CCTV of the piping downstream of the repaired area and
replace pipe as needed.

I wish to provide the following:

Attachment, Additional Photos & Summary information

Attachment, Additional Comments, No Additional Comments or Attachments

Map of area - #24 Meade Ave & MH 20944



Location of collapsed pipe just downstream from MH 20944



Aerial view of lower Meade Ave and Vallev Beach Road





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E. Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Signature of Authorized Representative

2/23/2021

Date Signed

Please keep a copy of this report for your records. When submitting additional information, include the MassDEP Incident Number from

MassDEP Regional Office and EPA Telephone and Fax Numbers:

Northeast Phone: 978-694-3215
Southeast Phone: 508-946-2750
Central Re Phone: 508-792-7650
Western R Phone: 413-784-1100
EPA Cont: Phone: 617-918-1870
DEP 24-hr Phone: 888-304-1133

Fax: 978-694-3499
Fax: 508-947-6557
Fax: 508-792-7621
Fax: 413-784-1149
Fax: 617-918-0870

Town of Hull Wastewater Treatment Plant

1111 Nantasket Avenue
Hull, MA 02045
(781) 925-1207



NPDES Permit #
MA0101231

Unauthorized Discharge Summary to Surface Waters 23 Meade Ave [2/17/21]

Location (address or latitude and longitude);	<i>On SSO form</i>
Date and Time unauthorized discharge began;	<i>On SSO form</i>
Date and Time unauthorized discharge stopped;	<i>On SSO form</i>
Source of the notification (e.g., property owner, field crew, police);	<i>On SSO form – property owner</i>
Type of asset from which the unauthorized discharge occurred (e.g., station, manhole, main);	<i>On SSO form – collapsed sewer pipe</i>
Estimated gallons released;	<i>On SSO form</i>
Method used to estimate volume;	<i>On SSO form; visual estimate</i>
Cause of the unauthorized discharge, (blockage or break; mechanical, electrical, or structural failures);	<i>On SSO form: structural failure that resulted in a blockage and eventual release.</i>
If caused by a blockage, identify the type of blockage (e.g., grease, rags, debris);	
If caused by a mechanical, electrical, or structural failure, the date of the last inspection, maintenance, or repair of the failed asset;	<i>Recent SSES evaluation work had flagged the area as one of concern – 2020.</i>
Did the release reach any portion of the Town's Municipal Separate Storm Sewer System ("MS4").	<i>No, release limited to asphalt surface and dried up in many areas, but there were pools of water along the roadway before reaching downstream catch basin. No catch basins in the immediate area.</i>
If the release occurred to the ground, provide the location of the nearest down-gradient catch	<i>Area is adjacent to Atlantic Ocean, and release flowed along the roadway and then ran into rocky</i>

basin and the name of the receiving water to which the catch basin discharges;	<i>embankment on side of the road adjacent to the Atlantic Ocean.</i>
Did the release reach a wetland or surface water? If so, include the name and exact location where?	<i>See attached map</i>
Measures taken to minimize the volume and duration of the unauthorized discharge;	<i>See corrective action on SSO form. Some sandbagging to keep liquid runoff localized.</i>
Measures taken to clean the area where the unauthorized discharge occurred;	<i>All road surfaces washed down with vector truck hose and all liquid and roadway sand vacuumed up.</i>
Corrective actions taken to prevent reoccurrence of unauthorized discharges at the same location;	<i>Failed pipe segment excavated and section replaced.</i>
Date of the last unauthorized discharge in the same general location;	<i>4/20/18</i>

Looking up Meade Ave [breakthrough seen in middle of picture]



Looking down Meade Ave



[L] Base of Meade Ave [upper right] and heading towards Valley Beach Rd. [R] Side of the road & rocky embankment



Clean up by Truax Corp. Lower end of Meade Ave towards Lift Station A and Valley Beach Rd.



Aqualine Utility performing sewer pipe repairs [Roadway cleaned below area of work]



Excavation of roadway



Using the vactor truck for trench dewatering



Collapsed/Broken pipe segment found as cause of the line blockage

